UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

ASTORIA QUADRANGLE
OREGON—WASHINGTON
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped by the Army Map Service
Published for civil use by the Geological Survey

Control by USC&GS, USCE, Oregon State Highway Department, and Pacific Power and Light Company

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1943. Field check 1949

Coastal hydrography compiled from USC&GS Chart 6151, 1949

Polyconic projection. 1927 North American datum
10,000-foot grids based on Oregon coordinate system north zone, and Washington coordinate system, south zone

Red tint indicates areas in which only landmark buildings are shown

Dashed land lines indicate approximate locations

1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue

SCALE 1:24000

CONTOUR INTERVAL 50 FEET
DASHED LINES REPRESENT HALF-INTERVAL CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 8 FEET

ROAD CLASSIFICATION 1951
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U.S. Route — State Route

OREGON
QUADRANGLE LOCATION

ASTORIA, OREG.—WASH.
N4607.5—W12345/7.5

1949

AMS 1976 III NE—SERIES V892

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST